



MISSOURI BOTANICAL GARDEN

MISSOURI BOTANICAL GARDEN

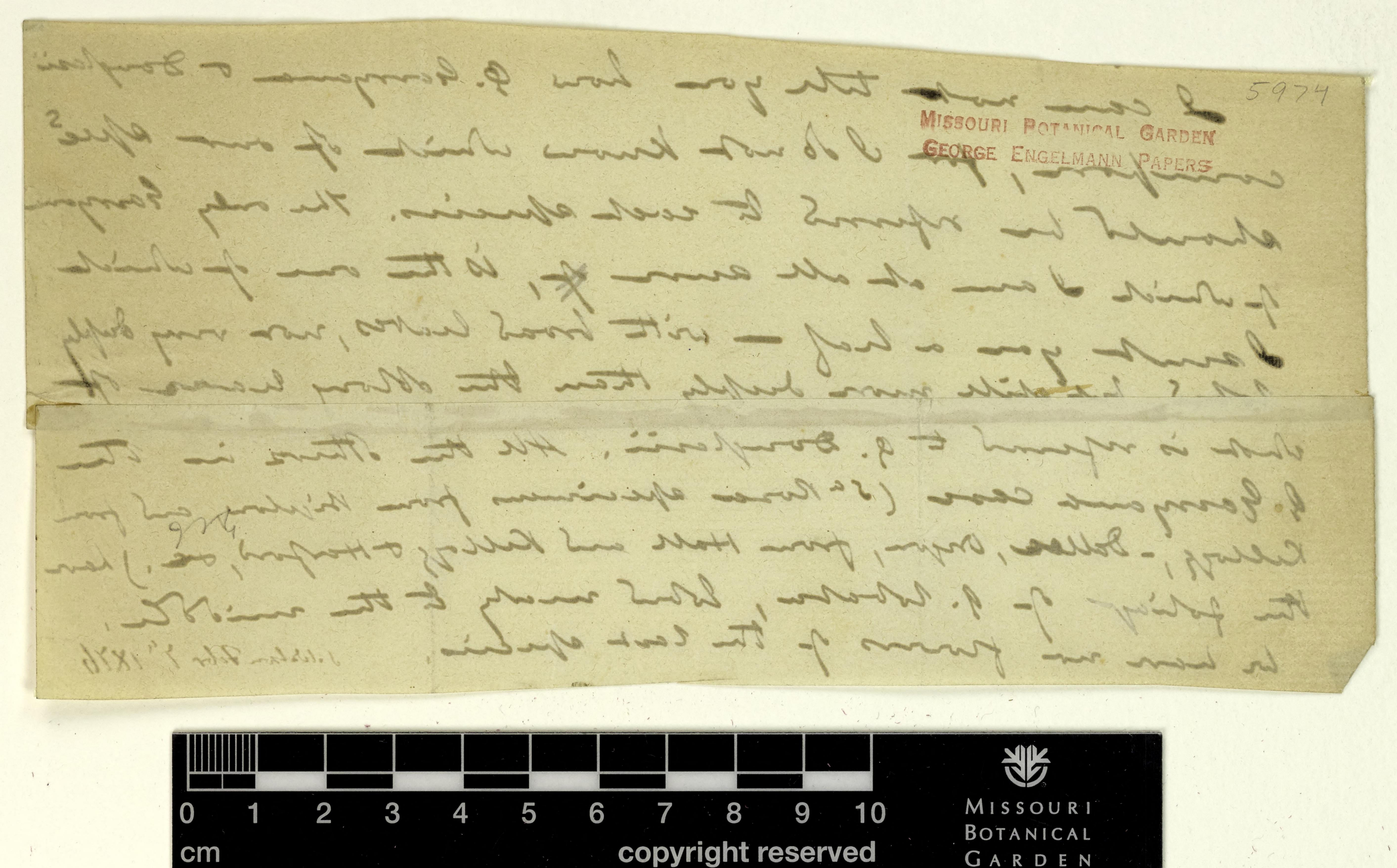
GEORGE ENGELMANN PAPERS





I can not tille you how q. Garyana o Douglasi compon, for I do not know which of our speed should be refund to each species. The only Garyone porish I am at all aum &, is the one of which I sunt you a haf - with broad leaves, now very duply tooks, but still more druply than the story have off shot is represent to g. Douglassi. All the others in the & Garnyand care (5ª Rose specimens from Michon, and from Religy, - Dalles, ongon, from Hall and Kellys or Harford, one. I have the foliage of 9. Nobara, loos many & the misse, but have solar of the last species, surface tobe ?" 1X16





or Head A groy Febr 27 1876 Jums Jangana always charter by the large tometore but some in your specience Les 3/2-5" Cong. agai Colend. oblin or off and the attack globors shining about nervers only aroom oval - exp shallows, scales varely with Kubs - tomber hings the lenn frm strongs retiralet below gog kellogg & Hurford new Som Francisco , Mountain White oak " - White bank, Camellates, not so chinky " 30-40 feel" Fely 23 1869. Words 4 "long Leaves drepty pimilifit; loby off 2 or 3 took on Cold, worthis que Ratt. Dallas, oragon beaus still more deaply pinnlife , you fil short pedructed, bed 3"long Feging of Forme - Hall Origin 1881. but 4" on sp with Knobly soiles (1) - Lyall, Vaurouver, 1858, som lenen almost entire nom as deeplylobe I astte above, but 4-4/riline long complaner q-10" wite; sorts [] withet any Rush, mon slongated mi + 9. Neari Liebm 1665 tartweg sitt Doglassis is a Bufflole Jangana, Congrebud at Knobby d'ales of ceep upper side shining, glaby, even newed glady Bolander and one Belley, and with lobale but lends a compresely Originalati Hon Creek is pland by Long with Gangaen, but here, wrongly, with Cabali on our scales unske it garner

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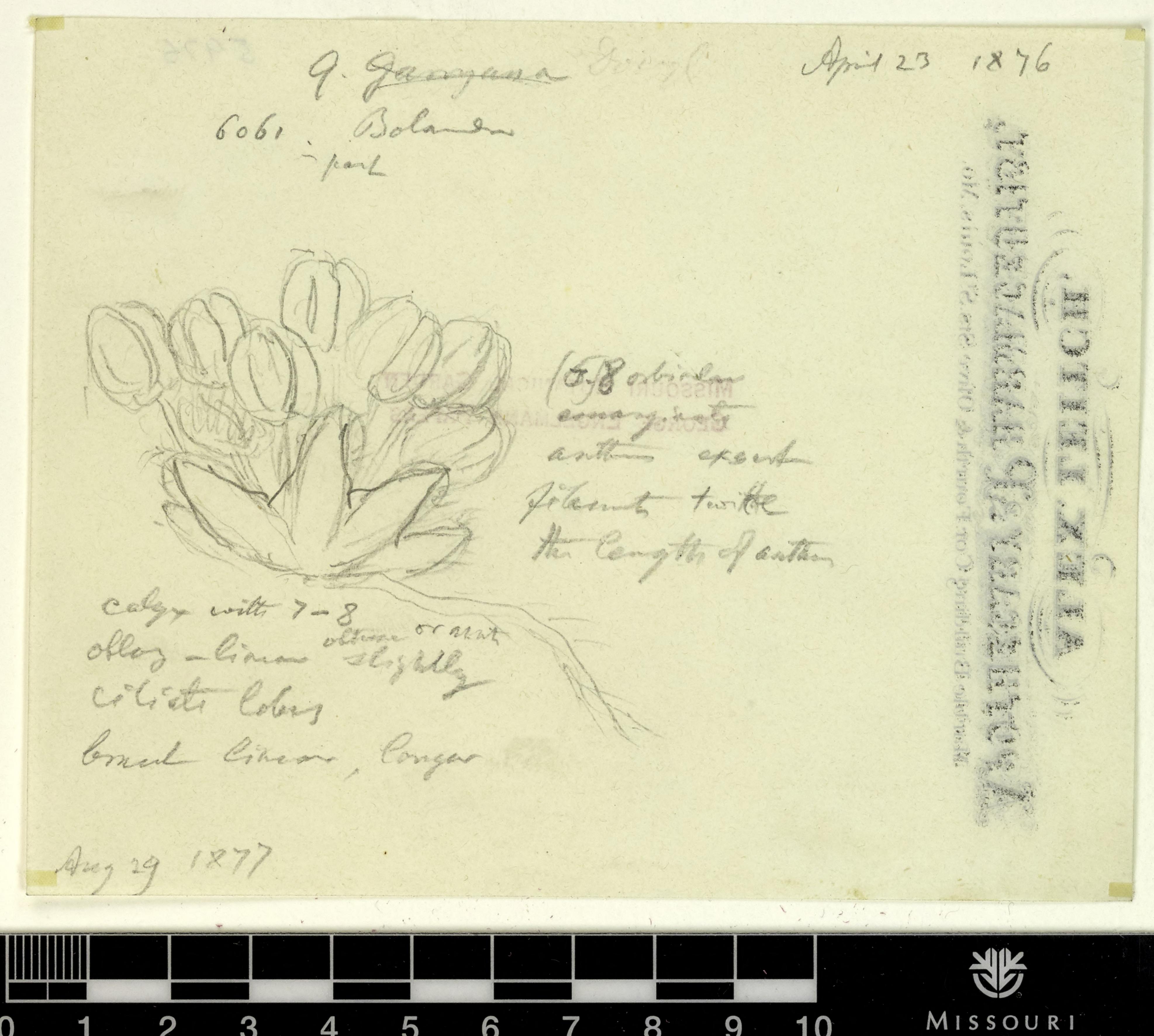
GARDEN

MISSOURI
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GARDEN

slamens and style about 4 lines we length and scarrily reaching begend the tobes of the pengon; anther, 3, capsele 4-5 and Doch Clas seed 1/4 lines long, tolest page toestern Mexico leaves of a plant which he says bears a scape 5-le feet high, and which, like many narrow-leaves Agaves and General was called Palinilla by the natives, unfortunalely no flowers came along, but as it seems to be an undesoribed Agave, it may be designated as A. angustissima. lenves 2-3 feel long 2/2-3 lines wide, convex on the back filamentous onthe margin, and running into a short 2/2 lines) stout triangular brown spine. A seems allied to Afilamentosa, Salm, Shid, however, has much shorter and vider leaves, The form of the terminal spine precludes its being taken for a smeetype. S, & B, Folia margine aculeato-dentata. 7. Agave heteracantha, Zucc. in Act. Leop. Car. 16,2.675 MISSOURI BOTANICAL

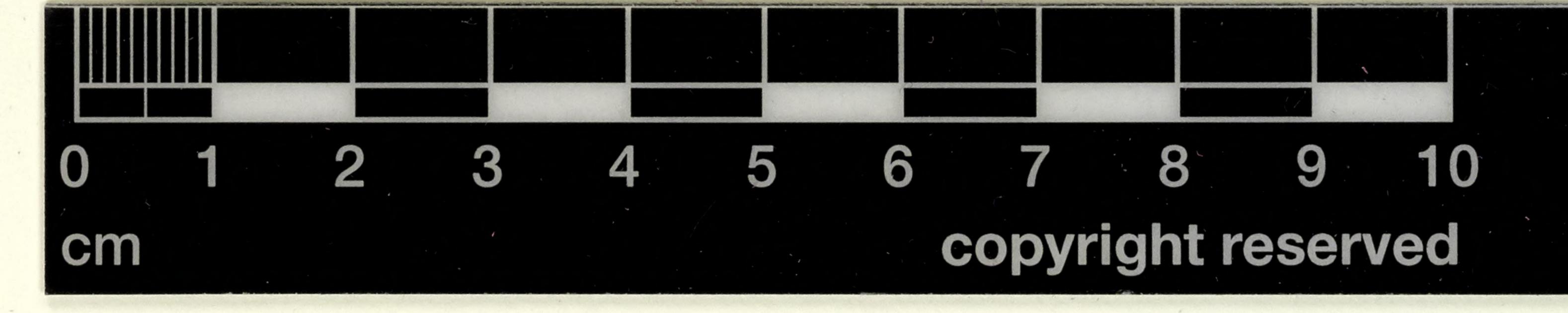
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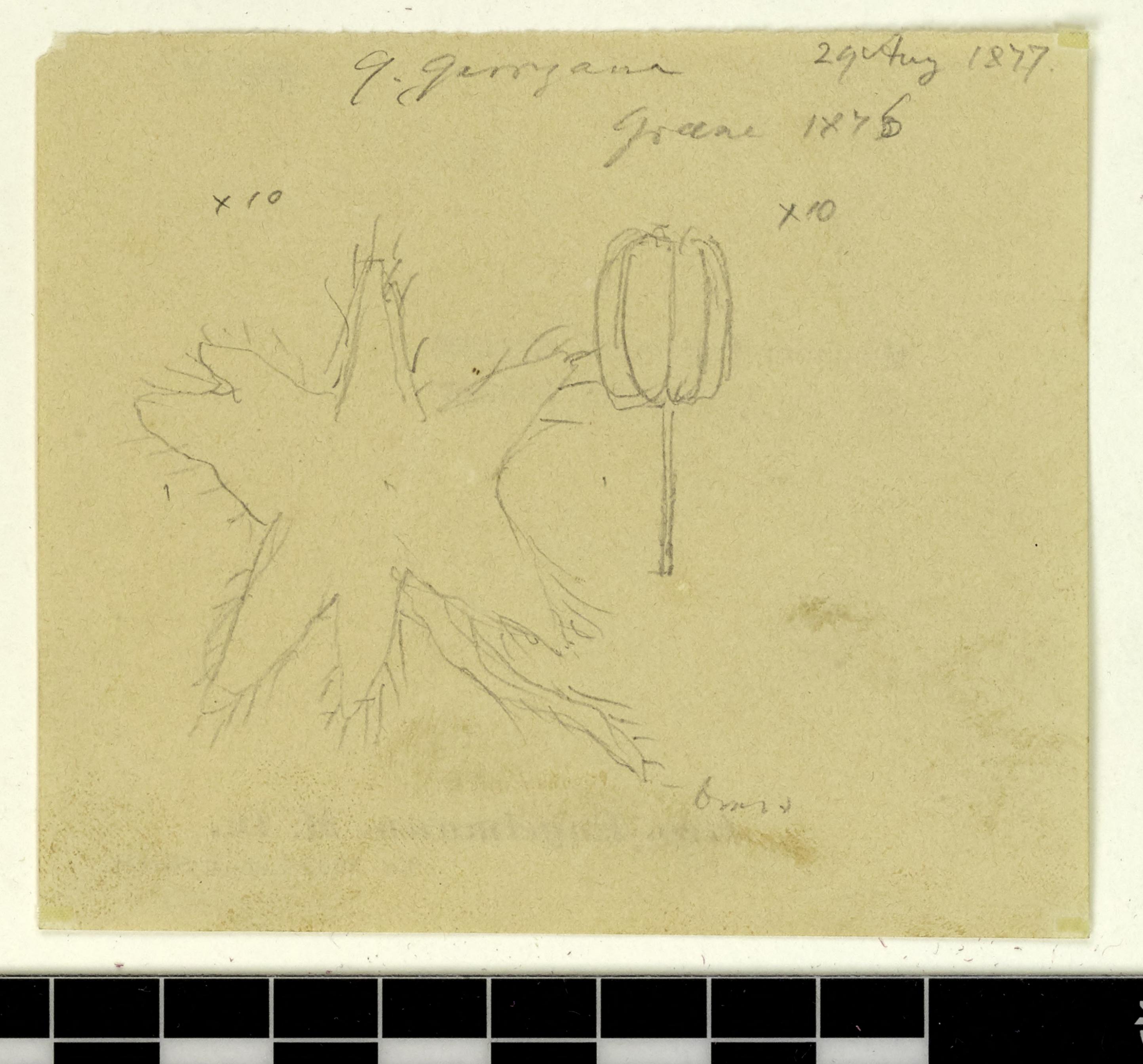
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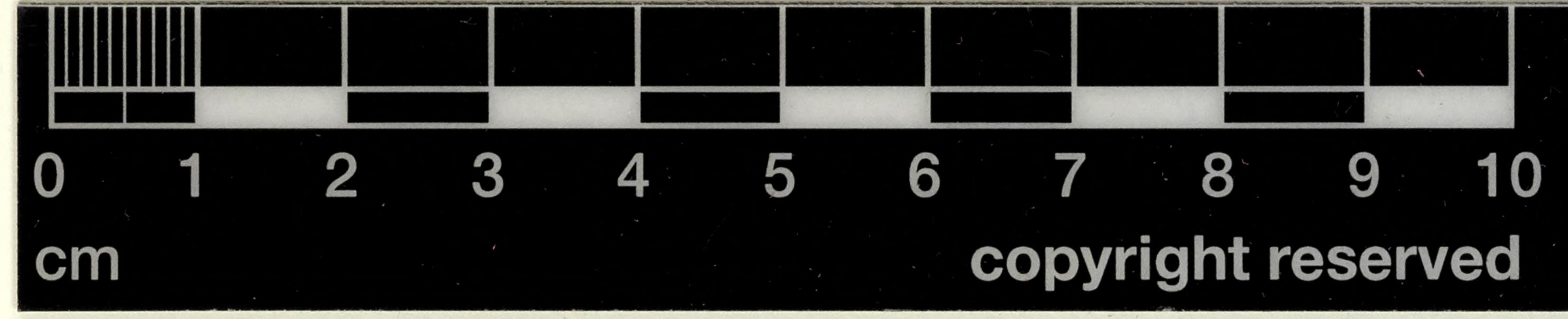
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BOTANICAL GARDEN







MISSOURI BOTANICAL GARDEN GE RGE ENGELMANN PAPERS

Geo. Engelmann, M. D.,

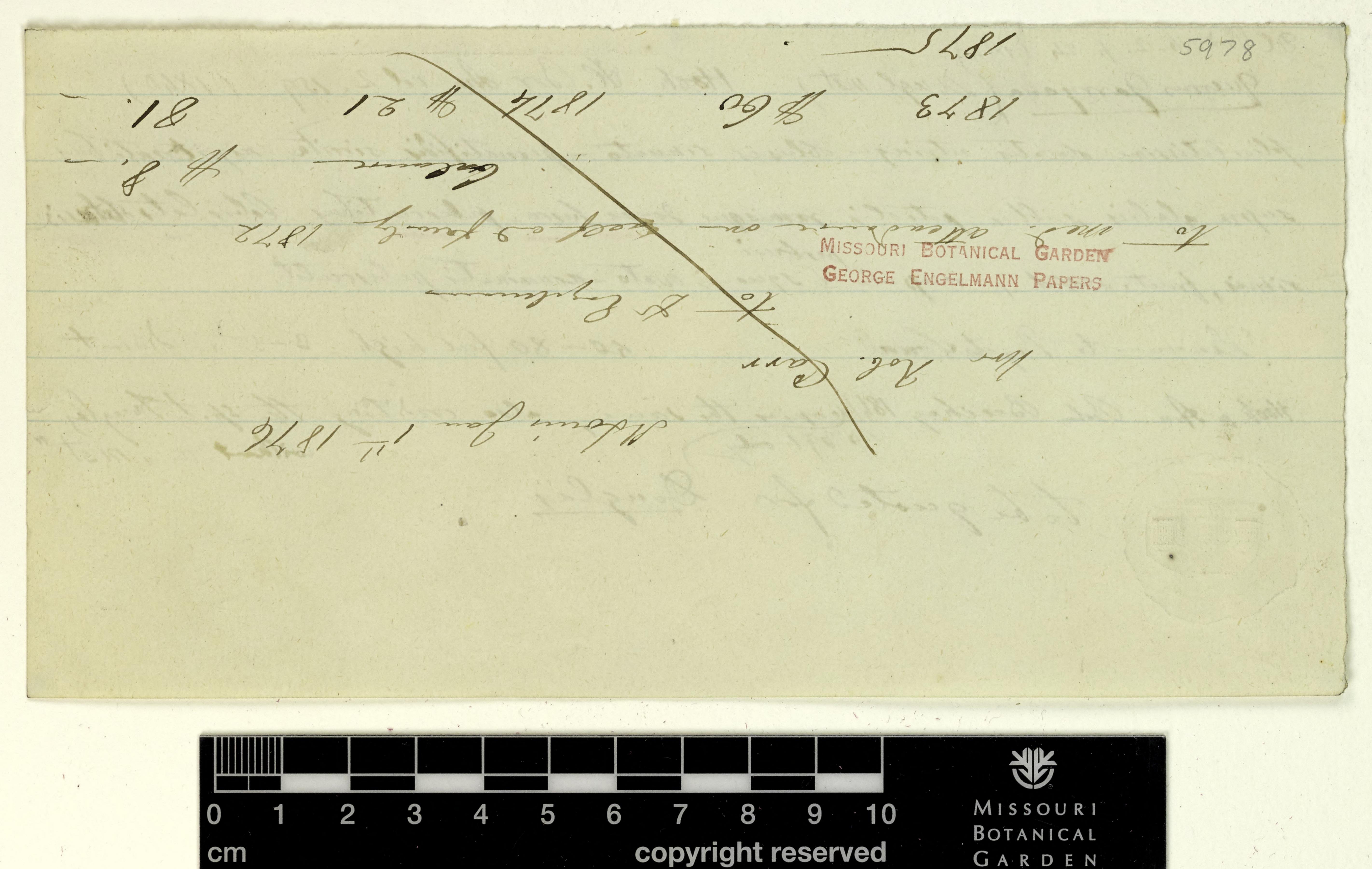
No. 3003 Locust Street.



Quenus garryana (1864)
Quenus garryana (1840)

(1840) folies litissime oboratis eitningen oblusis sinuato - pienatificis siccità nigritanti bus supm glabris & obles petiolis ramisque leuse fusco- petercutibus lobis lates stitusis.
simis, fruit. sessel, cupula V squan; arto carminatis pubercutit. 40-80 feel high \_ 3-5 in Samt. Panroum to Tagets Nound! Hook & Am. Bot Beechez 18h/kopins the same also ontiting the sp. to Dougley without the " mst" to be gusted for Douglas





GEOLOGICAL SURVEY OF CANADA

um and Office, 76 St Gabriel Street MONTREAL.

Mi Moria B.C.

Sear Suz,

Hore to thank Jon for the haves gspennens of Confers in Jours of Set. 18th : Hood th Av.3. Jumperus Sabina is no doubt the prostrate randy, or Astould Long Volet it as Leine otherwise. The Specimens plibas Enjelmanni Sent-were pour between the 32 hd & 53rd Barallels long 124° The tree grows Where Lane Seen it teliveen 3000 & 4000 feet-, generally un damp situalions; & forms often ter, deure groves. The elwations given are the yoke Jeweral Gurface of the forunty, I had no opportunity

far Sye ofthe over there ful Reddish brown with grey scales,

Notin. When growing in peats Iwamps d'Atin. When growing in plats Twamps the Slew runs up to a great Leight both Scauts poliage. Mers. Levres, Pack Twill de what I can with a. as requested riz. Leones, Parter poor ful- Munt-are now quite tallered & brillete. Zwifs with welle fuds. I Cannot at this Scorery fried any acorns, the Seymerrels & Seeming Hore disposed opten all, but endore a few Cups.

Lurans Garryana is the one spenn Honor here, but in the Runals & Mag. That Hist- Opril 1871 you will pud weather by his R. Brown ga Second Species n Variet, 2. Jacobi. L. Garrjana is abundant on Vancouver & neighbouring Uslands, but does not an the letethete extend & the manufand. hur a.c. anderson wil forverer states that in 1847 he saw about twent-Swall file treson de portajes abore Yale on the Frazer River It doubts whether any ofthere now Remain. The Some hours Swetteman cuforms we that it is common on ite lower part ytte Columbia Raver, Classing abruptly Which et the Dalles of the Wascopum, above which there are the u The tree year altains a dicumeter of about three feel has go Ids not remember to hove seen any over four feet, houses trough such was occasionally occur. It-geors yten with pretty symmetrically to a height-gabout forty feel, Im pe but the symmetz gete young tree is not long priserred, as it-Storm shows a tendancy to form fringontal, & even droopsing, grarled branches. Ald brien 200 Men Lore their tops flat & inclined with relation to the was prevailing wind, with a thick Crown of foliage. The Liftest brus Ishould estimate at-about Tofleris fluit for the grater but for the grater sen thickness & rigidity of the branches & twigs, it-hunc

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS Useufles Parter Tundergrown na Spennens jute Common Partem elen. It severally branches low me towerer, Sometimes almost atthe Ground. Lu cepored Setuations Réduced to Avere Phrubs. He wood is yellowish, Land X strong, tut-said to the ratter britte. 1- Zrus growing in low Letwalions, however, yield wood fet for Coopers work. The bank ranies un colonis pour pale grey to dark blackeshgrey, aus rather their. On a true 2'1 b" in dicumeter, a storning tes pour 200 to 300 annual rings U- was pour 1" to 1½". U-is Strongly & pretty regularly ribbed, the ribs fluencelly an astornosing. There sent Sprumens Johns & other

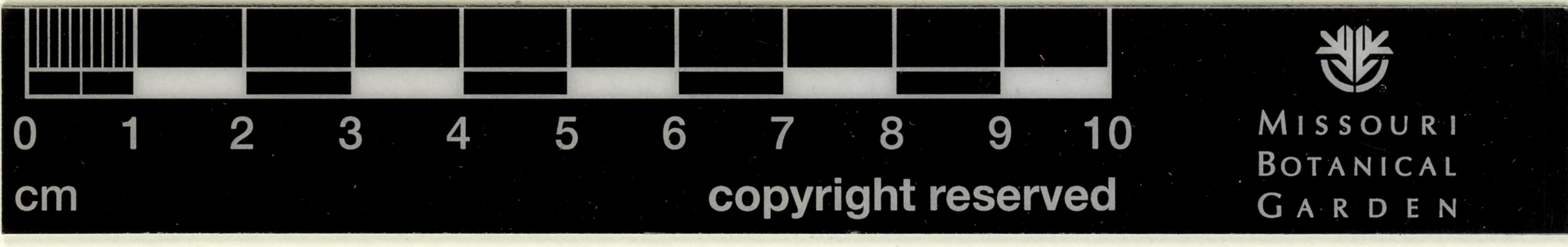
5 6 7 8 9 10 MISSOURI BOTANICAL Copyright reserved GARDEN

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breis to the Philadelphia Schibition, Where you will probably see them. Stope to offair Some Molographs of trees in the Lammer, & rung be able to you one of a typial vall met autum. Jours My Truly Jenje Br. Sawson De 9. Engelmann St-Louis One. opur vives





LEMAN, M.D.,
3003 LOCUST STREET.

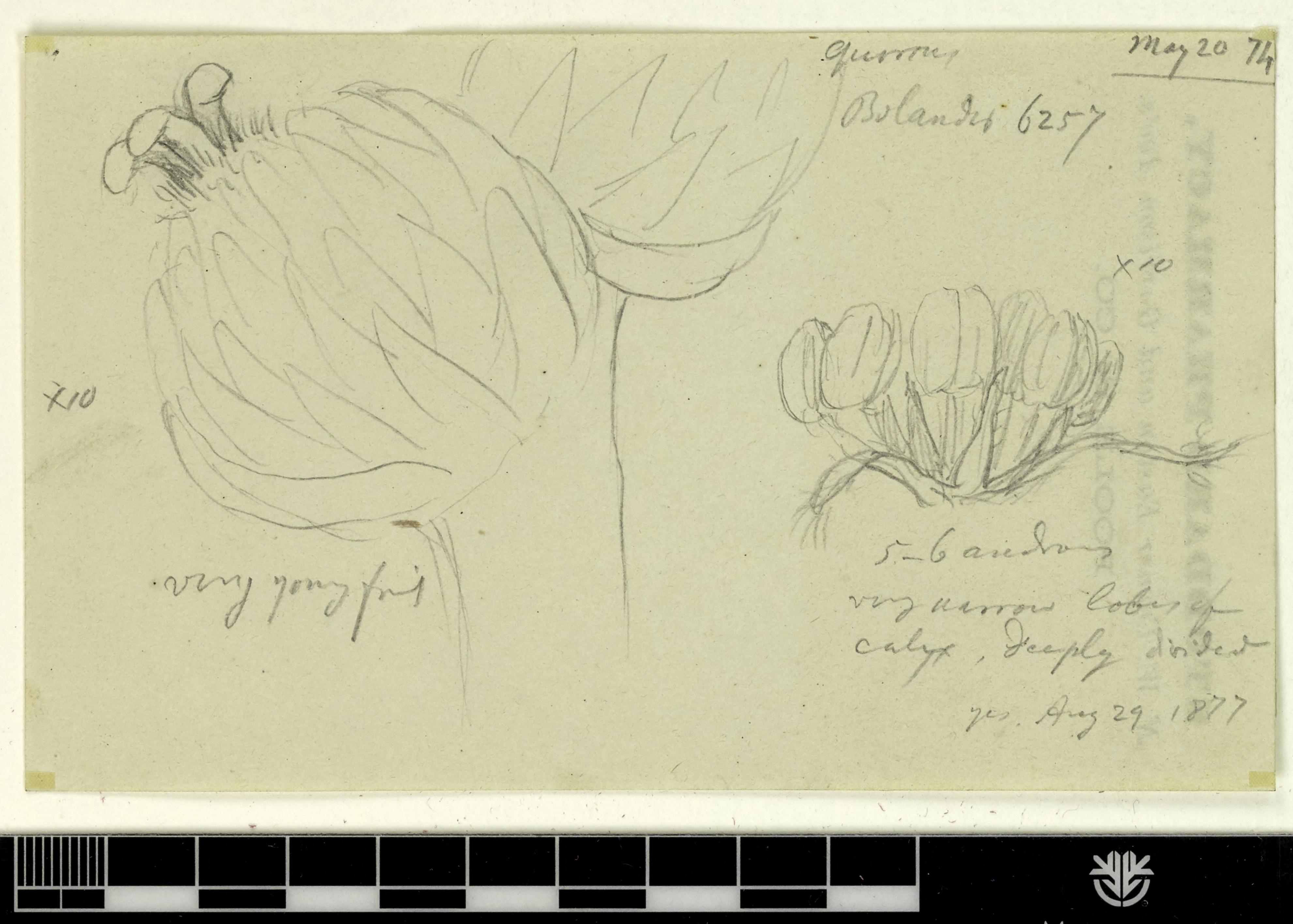
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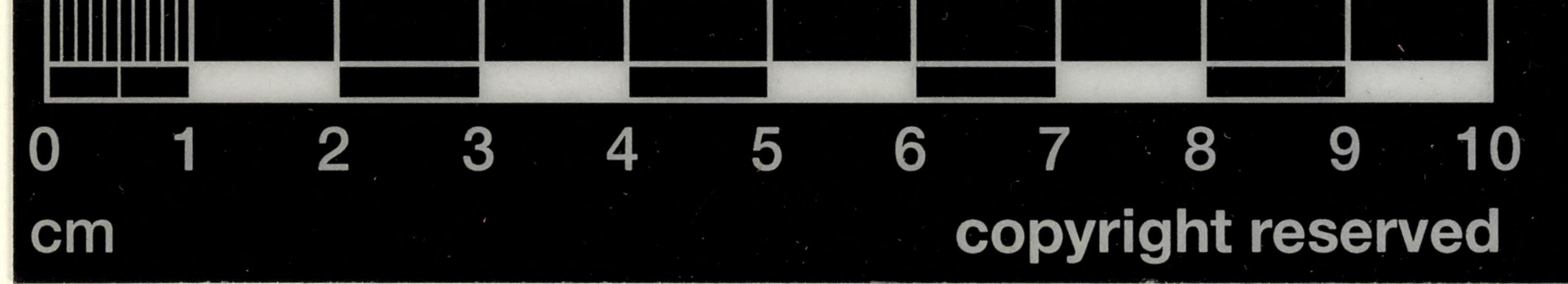
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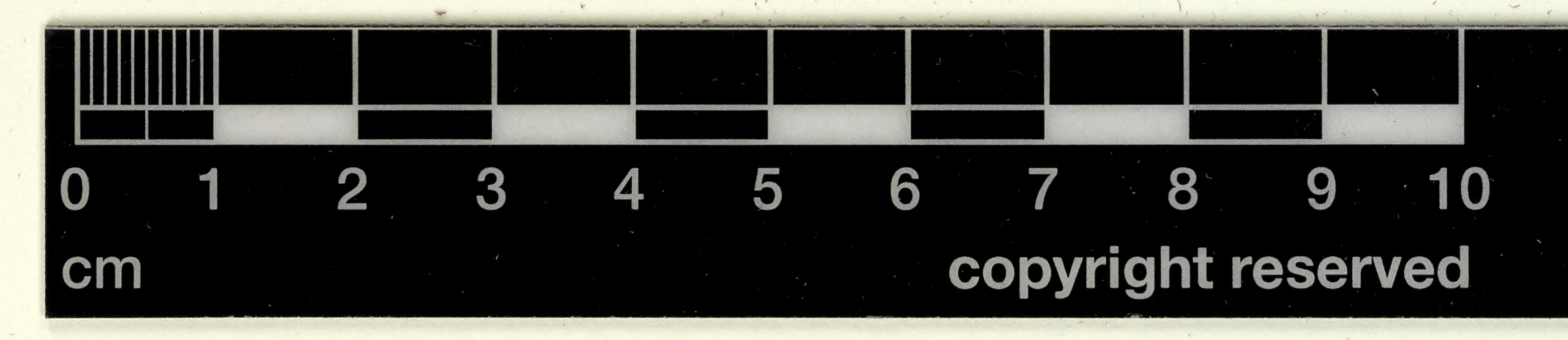
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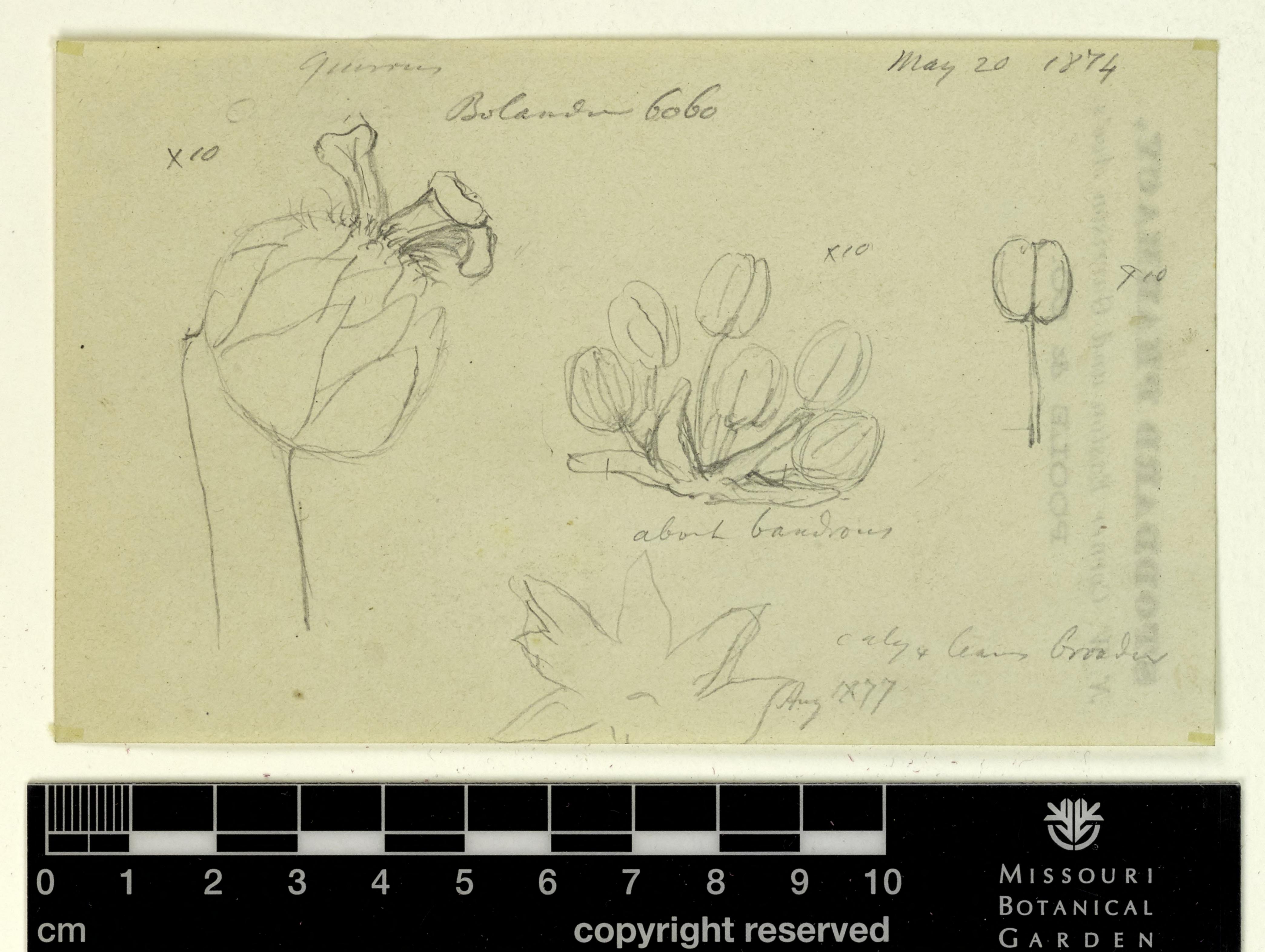




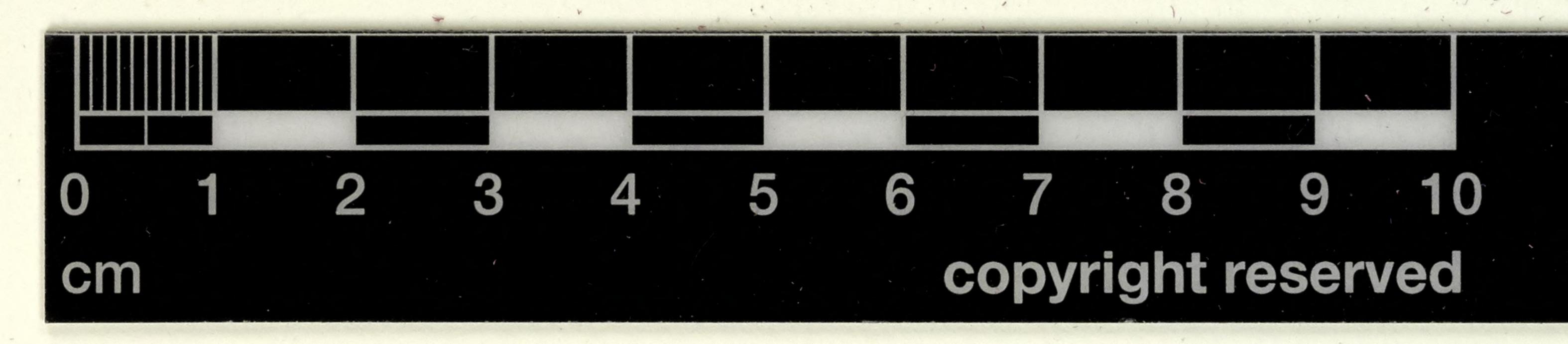
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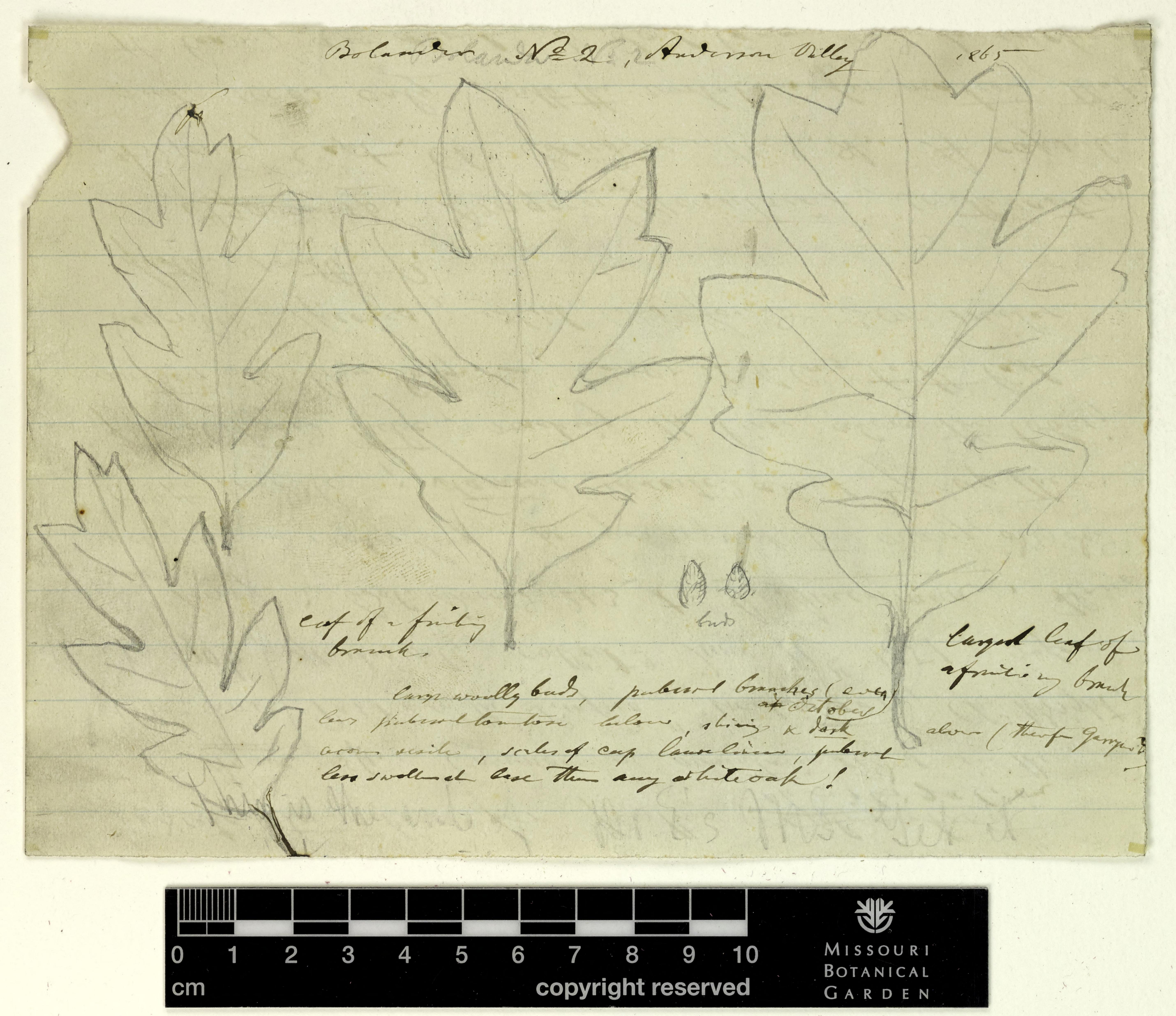




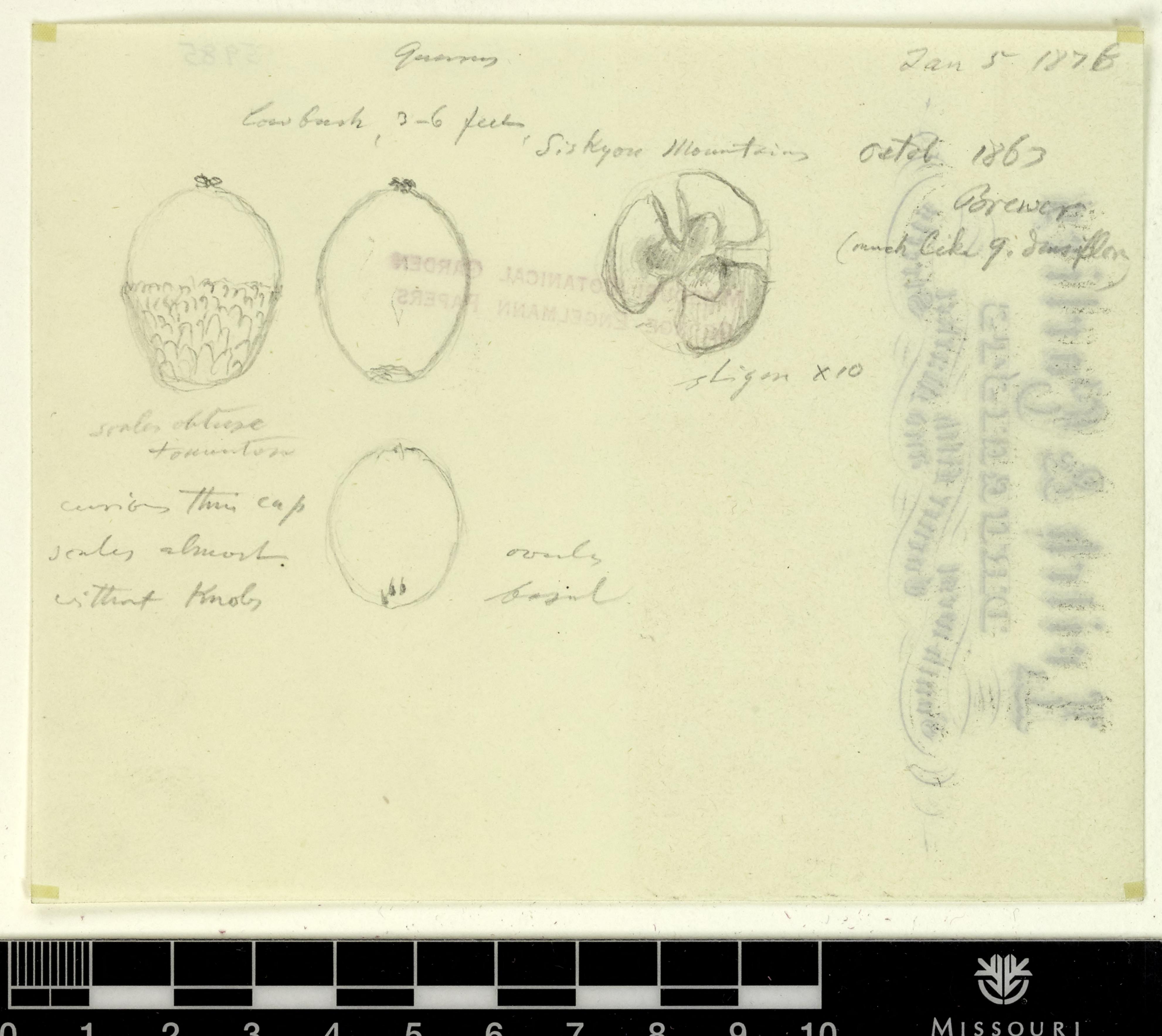
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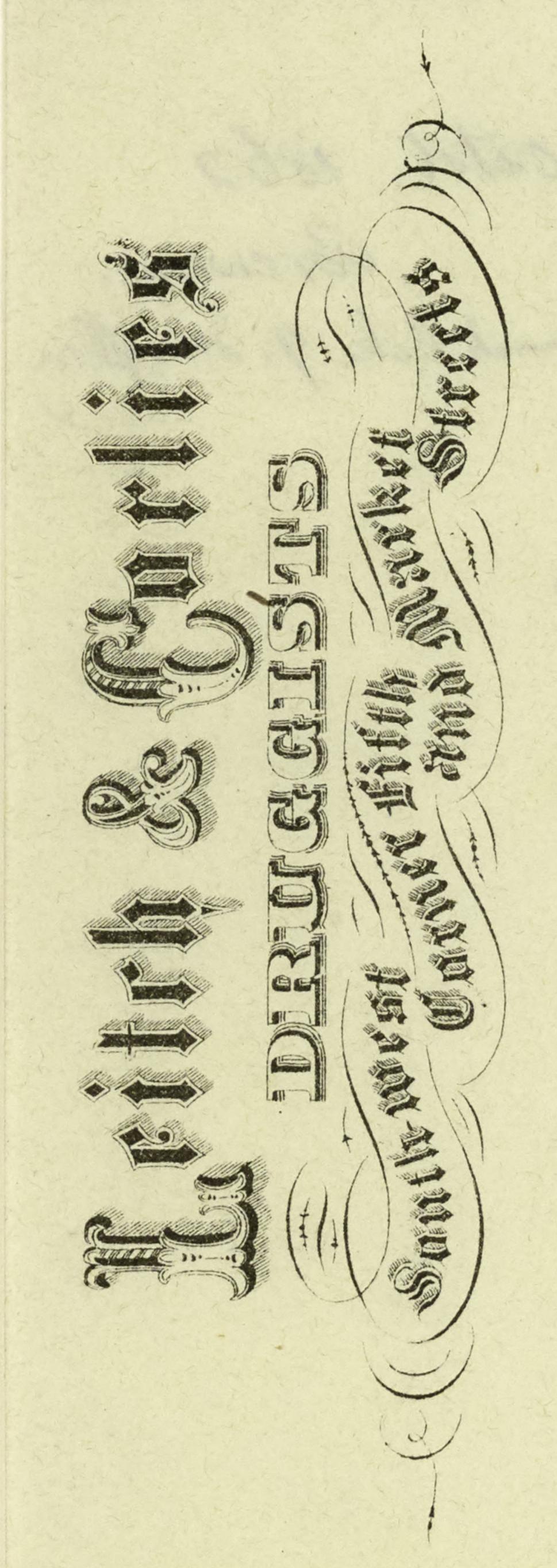




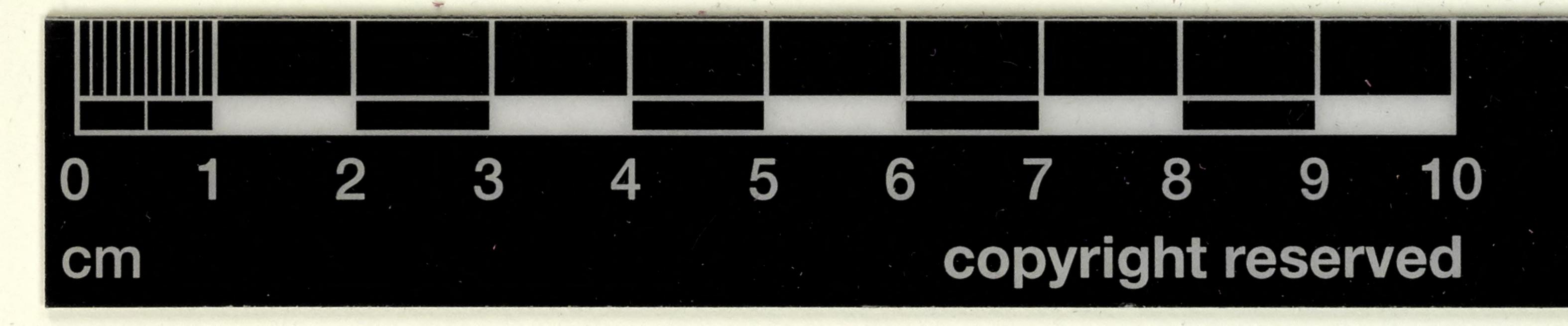
The teasing are about 3 dood long and I inshop and seeds anty with the verbal infin maken That Anylana, Ch. 2. M. 2. M. S. A. A. copone GE RGE ENGELMANN PAPERS grante Joseph 2 Besont 2008 - 2 Leville was found 200 milles authing to him long. I could to the last Junelahopes Tile, rading 14 live above the Colos. to the miss of ment of about of up the Robert & rucket four four ogen of the Shirts Ex Jones, 213 to Shumina, 213 to Shuman in grand of A 1906 Hours only, collected June 1/2/1, superior Will done on the Lings " well Topen on the Shift copyright reserved cm GARDEN



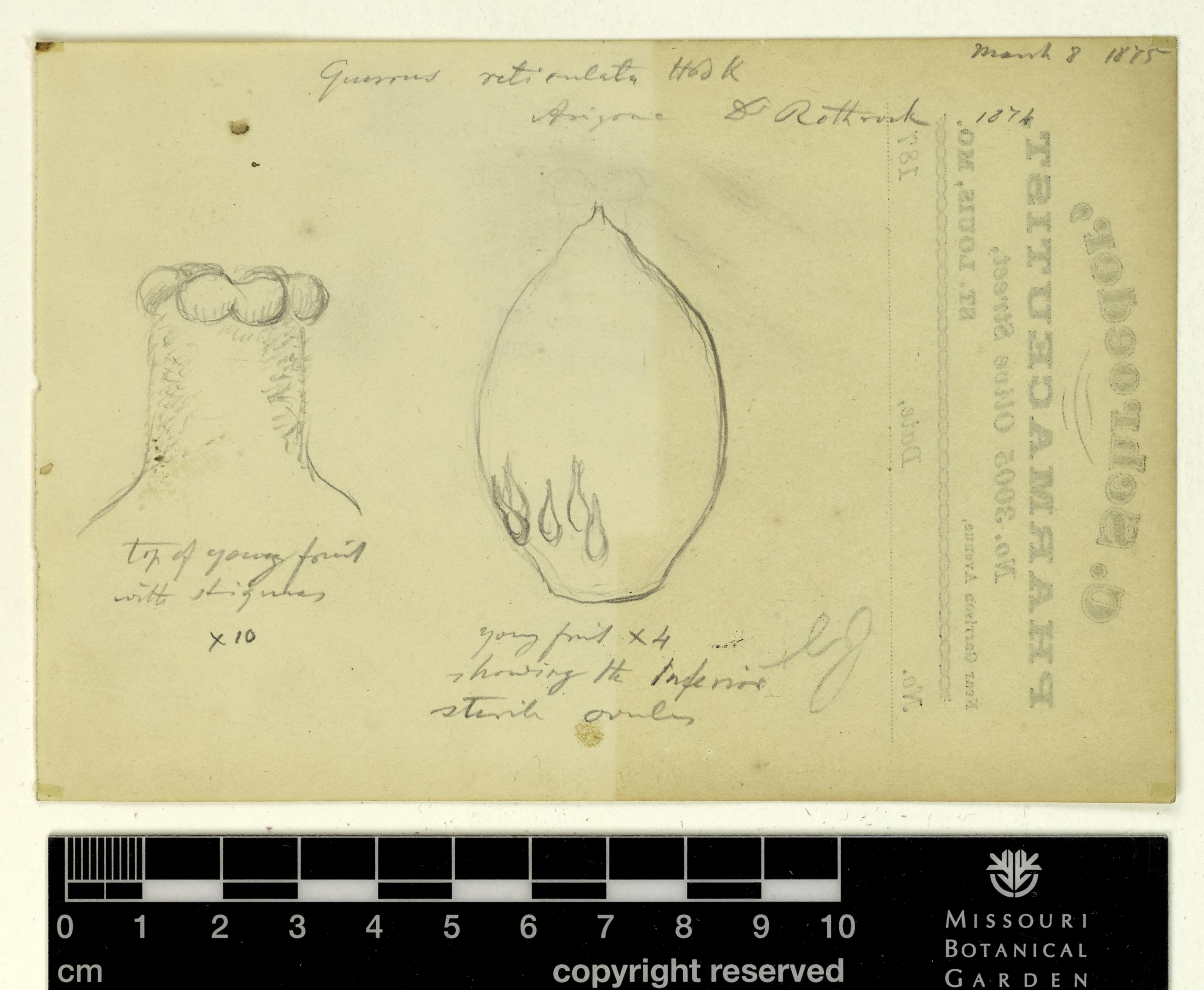
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Span Chestn Chestr the la species. is hardly excelle oak has a close, da leaves a to from the Michaux' Sylva under here as it grows on bark which is our native oaks, of which there are probably a dozen specie trees of Quercus macrocarpa and bicolor may be seen in the garden and also in the Smithsonian grounds. The Ches (Quercus Prinus,) is common on the hills surrounding the in beauty of foliage and stateliness of form is hardly excell oak. The variety which is figured in Michaux' Sylva under of Q. Prinus palustris, occurs here also, and would seem to erly a form of Quercus bicolor, being distinguished from the oak by the veining of the leaves and by the bark which is the white oak, while the true Chestnut oak has a close, de thicker bark, much resembling that of the proper Ches Quercus rubra, tinctoria, coccinea and palustris may all guished by an examination of the hills of the vicinity, the spicuous by its rather small, deeply indented shining leaves acorns. The name seems a misnomer here as it grows on hill in company with the red and black oaks. The Spiciple (Q. falcata,) is here also and as usual presents some strange may all strange would seem dozen probably a Jo

its vicinity affords an excellent opportunity of

The city and

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different

genus,

(Biota.)

They may

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Chinese

stinguished by the very differ

rent appearance of their

cimens in several of

the parks

During

the

summer month

branches

covered

with thin

delicate

light

green

leaves

in

taking

on

foliage

American

Cypress

(Taxodium

distichum),

there

are

## MISSOURI BOTANICAL GARDEN GEURGE ENGELMANN PAPERS

very

attractive

tree,

but

and during

winter

loses all its

leaves.

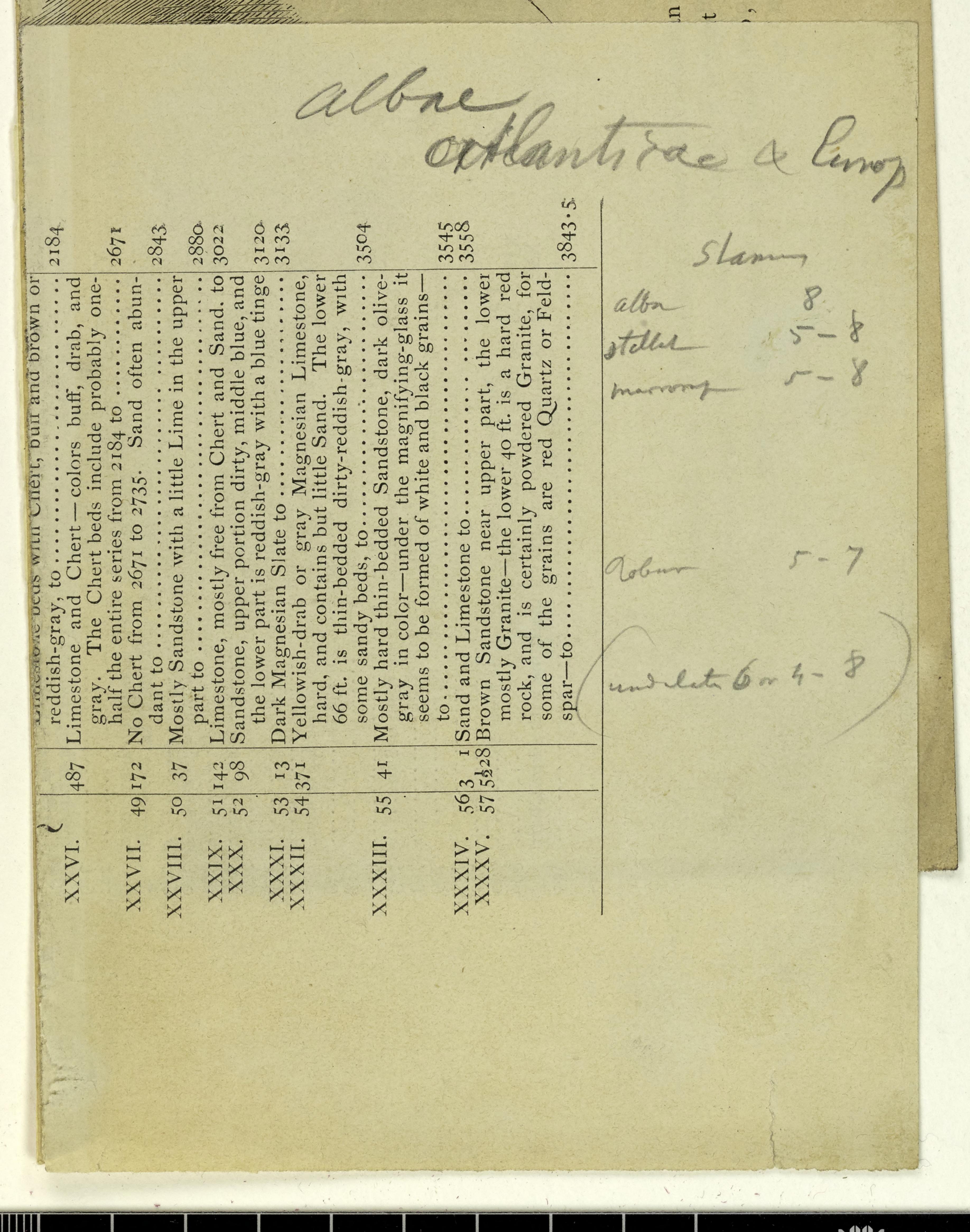
The

oldest

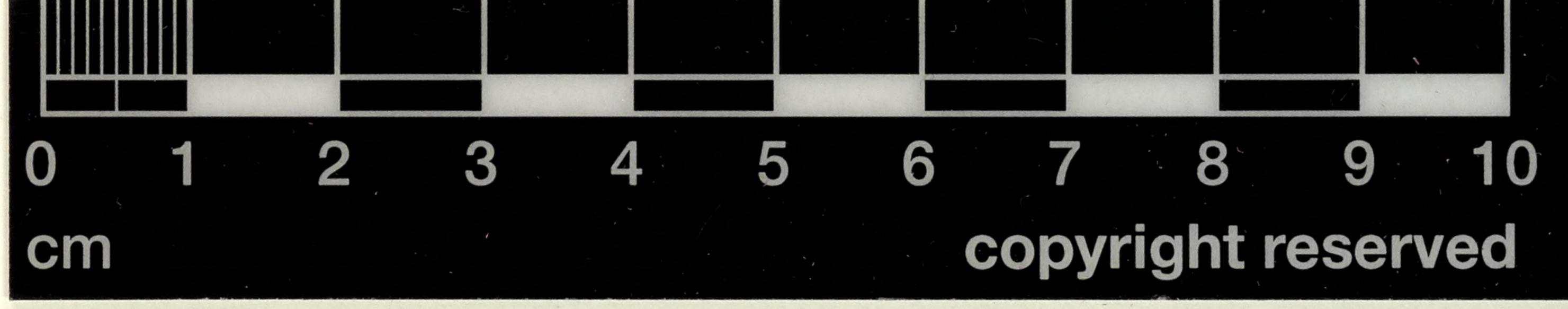
stly the Arbor nerican Larch seems to have had alba,) the hemlock, usurped by conspicuous Vitæ are mostly of its English examples relative, Larix Europea. the small compact bushy the but few admirers, its place
Lishy variushy may be arbor be eir cones

canadensis) and the balsam, (A. black (Abies nigra,)

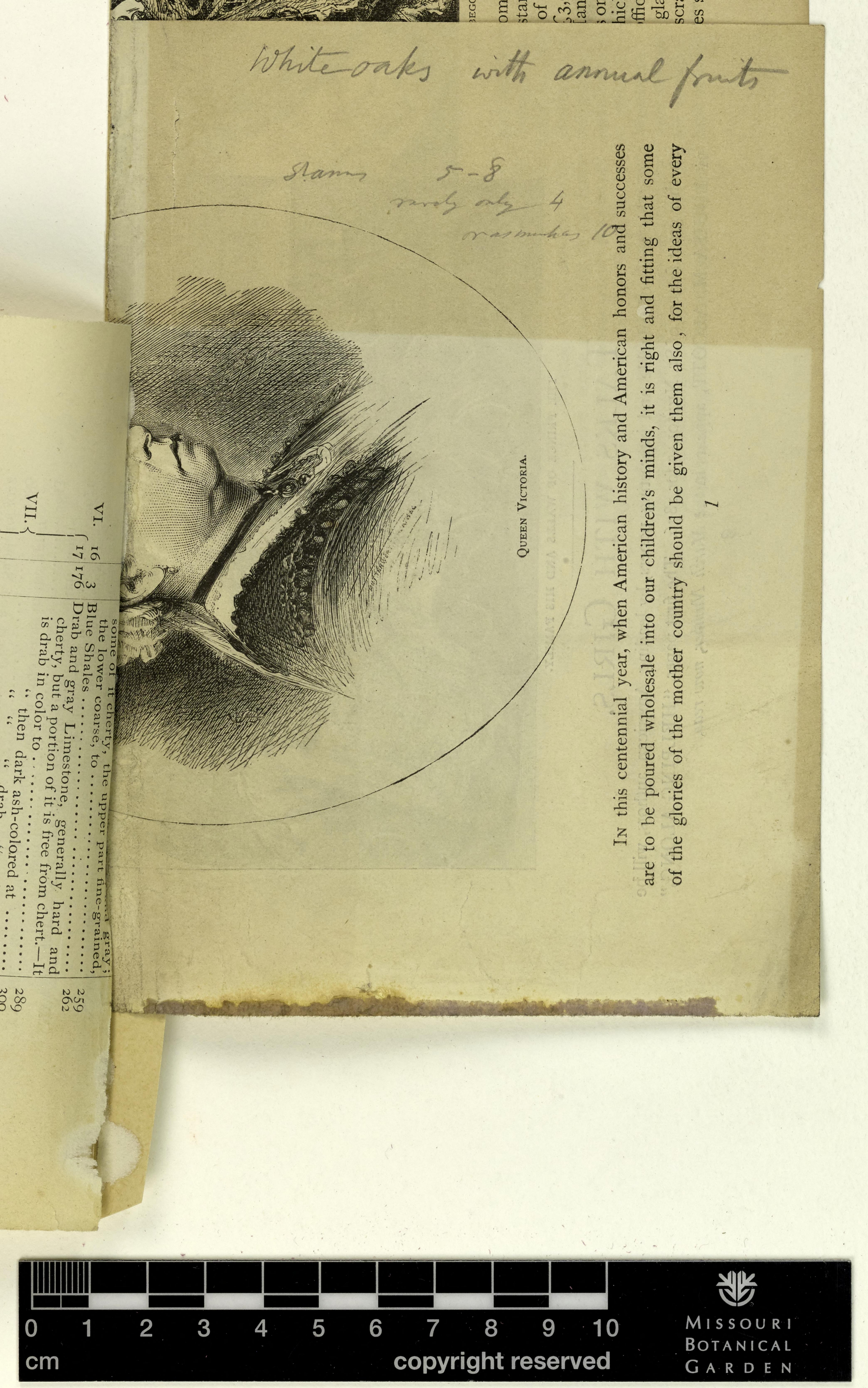
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bitress of it. Incredible fortunes were rapidly accumulated, and then, impelled by the longing after speculation which had begun to possess their souls, the Indians disinterred the treasures that had been buried for centuries, and money overflowed upon the ground. Considering the reconstruction of the United States an impossibility, the Bombayans foresaw for their city a most magnificent future. In-

stead of seeing in that season merely an exceptional piece of good fortune, they thought that nothing could possibly reverse their prosperity. Projects sprang into life on all sides; cotton, while remaining as the basis no bounds. Many new banks were founded; of their commerce, became merely the pretext for unlimited speculation. Intelligent but inconsiderate men established gigantic companies to develop resources which had already attained the height of their development. A project was organized to enlarge the island, | bled themselves so far as to solicit the lead-



A HINDU BEGGAR.

and reclaim from the sea the Back Bay. A company was started; and when, some days after the issue of the shares, they attained a premium of £,3,000, the speculation knew but all this was on paper only. It was merely a game at which everybody was playing. Merchants, officers, public functionaries, were only too glad to exchange their silver for wretched scraps of paper; some hum-





They strike with all their might until, the bamboo giving way, the basket is almost completely flattened, and seems no longer capable of containing anything. They then re-form the circle and resume their chant, to which a voice now responds from the forest. The sound gradually approaches, and at last seems to come from the basket, which becomes more and more distended; the lid is removed, and the child springs out. This trick is very adroitly performed, and, though capable of being explained to Europeans, excites lively astonishment in the Indian spectators.

The top trick is likewise very curious. The juggler gives a vigorous impulse to the top, which he places on the top of a small stick balanced on his nose; then, according to the request of the spectator, the top suddenly stops, or again goes on spinning. This last part of the operation M. Rousselet thought by far the most extraordinary. That the top should stop is intelligible; but that

HIP CARDEN

pap

